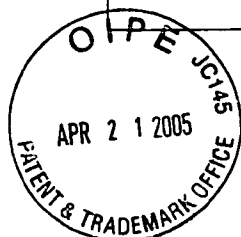


Sheet 1 of 6

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number	10/507,221
Filing Date	09/08/2004
First Named Inventor	Goodman et al.
Art Unit	2873
Examiner Name	Not assigned
Attorney Docket Number	51-02

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. ¹	Document Number (US-)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)
	1	6,399,042	06/04/2002	Goodman	
	2	6,344,179	02/05/2002	Goodman	
	3	5,853,696	2/29/98	Elmaleh et al.	
	4	5,817,776	10/06/1998	Goodman et al.	
	5	5,808,146	09/15/1998	Goodman et al.	
	6	5,698,179	12/16/97	Neumeyer et al.	
	7	5,637,759	06/10/1997	Hearst et al.	
	8	5,413,779	5/9/95	Kuhar et al.	
	9	5,324,504	06/28/1994	Roger, Jr. et al.	
	10	5,310,912	05/10/1994	Neumeyer et al.	
	11	5,279,812	01/18/1994	Krstenansky et al.	
	12	5,227,467	07/19/1993	Kollonitsch et al.	
	13	4,942,231	07/17/1990	Mertens	
	14	4,760,091	07/26/1988	Carson et al.	
	15	4,743,691	05/10/1998	Bey et al.	
	16	4,695,588	09/22/1987	Kollonitsch et al.	
	17	4,483,870	11/20/1984	Kollonitsch et al.	
	18	4,390,517	05/28/1983	O'Brien et al.	
	19	4,358,434	11/09/1982	Tzodikov et al.	
	20	4,325,961	04/20/1982	Kollonitsch et al.	
	21	3,855,208	12/17/1994	Rutner et al.	
	22	US 2002-0099184 A1	07/25/2002	Goodman	

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Foreign Patent Document Number (include WIPO country code)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)	T ²
		WO 97/43285	20/11/97	Mouclaire et al.		

Examiner Signature	/Paul Zucker/	Date Considered	07/09/2008
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PZ/

Sheet 2 of 6

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Substitute for form 1449/PTO, based on PTO/SB/08A and 08B	Application Number	10/507,221
		Filing Date	09/08/2004
		First Named Inventor	Goodman et al.
		Art Unit	2873
		Examiner Name	Not assigned
		Attorney Docket Number	51-02

NON-PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No. ¹	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	Alexoff, DL et al. (1992), "Ion Chromatographic Analysis of High Specific Activity ¹⁸ FDG Preparations and Detection of the Chemical Impurity 2-Deoxy-2-chloro-D-glucose" <i>Internat. J. Rad. Appl. Instr. Part A</i> 43(11):1313-1322.	
	2	Bergmann, ED et al. (1962), "Organic Fluorine Compounds. Part XXVII. Fluorinated α -Aminoisobutyric Acids"; <i>J. Chem. Soc.</i> 3462-3463.	
	3	Betz, AL et al. (1978), "Polarity of the Blood-Brain Barrier: Neutral Amino Acid Transport into Isolated Brain Capillaries"; <i>Science</i> 202:225-227.	
	4	Bey, P et al. (1979), "Direct Synthesis of Alpha-Halogenomethyl-Alpha-Amino Acids from the Parent Apha-Amino Acids"; <i>J. Org. Chem.</i> 44(15):2732-2742.	
	5	Blough, BE et al. (1996), "Synthesis and Transporter Binding Properties of 3 β -(4'-Alkyl-, 4'-alkenyl-, and 4'-alkynylphenyl)nortropine-2 β -carboxylic Acid Methyl Esters: Serotonin Transporter Selective Analogs" <i>J. Med. Chem.</i> 39(20):4027-4035.	
	6	Blough, BE et al. (1997), "3 β -(4-Ethyl-3-iodophenyl)nortropine-2 β -carboxylic Acid Methyl Ester as a High-Affinity Selective Ligand for the Serotonin Transporter"; <i>J. Med. Chem.</i> 40(24):3861-3864.	
	7	Bodsch et al. (1988), "Biochemical and Autoradiographic Study of Cerebral Protein Synthesis with Fluorine-18 Fluorophenylalanine and Carbon-14 Fluorophenylalanine"; <i>J. Neurochemistry</i> 50(3):979-983.	
	8	Boger, DL et al. (1992), "Functional Analogs of CC-1065 and the Duocarmycins Incorporating the 9a-(Chloromethyl)-1,2,9,9a-tetrahydrocyclopropa[c]benz[e]indol-4-one (C ₂ BI) Alkylation Subunit: Synthesis and Preliminary DNA Alkylation Studies"; <i>J. Amer. Chem. Soc.</i> 114:9318-9327.	
	9	Buonocore, E (1992), "Comparison Of PET With Conventional Imaging Techniques"; <i>Clinical Positron Emission Tomography</i> . Mosby-Year Book Inc. St. Louis, MO, pp17-22.	
	10	Bussolati, O et al. (1996), "The stimulation of Na,K,Cl cotransport and of system A for neutral amino acid transport is a mechanism for cell volume increase during the cell cycle"; <i>The FASEB Journal</i> 10:920-926.	
	11	Chiotellis, E et al. (1977), "Preparation of Tc-99m Labeled Pyridoxal-Amino Acid Complexes and their Evaluation"; <i>Int. J. Nucl. Med. Biol.</i> 4(1):29-41.	
	12	Christensen, HN et al. (1983), "Synthesis and Transport applications of 3-Aminobicyclo[3.2.1]octane-3-carboxylic Acids"; <i>J. Med. Chem.</i> 16:1374-1378.	
	13	Coleman, RE. (1991), "Single Photon Emission Computed Tomography and Positron Emission Tomography in Cancer Imaging"; <i>Cancer</i> 67(4 suppl):1261-1270.	
	14	Conti, PS et al. (1986), "Tumor Imaging with Carbon-11 Labeled Alpha-Aminoisobutyric Acid (AIB) in a Patient with Advanced Malignant Melanoma"; <i>Eur. J. Nucl. Med.</i> 12:353-356.	
	15	Conti, PS (1995), "Introduction to Imaging Brain Tumor Metabolism with Positron Emmision Tomography (PET)"; <i>Cancer Invest.</i> 13(2):244-259.	

Examiner Signature	/Paul Zucker/	Date Considered	07/09/2008
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PZ/

Sheet 3 of 6

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Substitute for form 1449/PTO, based on PTO/SB/08A and 08B	Application Number	10/507,221
		Filing Date	09/08/2004
		First Named Inventor	Goodman et al.
		Art Unit	2873
		Examiner Name	Not assigned
		Attorney Docket Number	51-02

Examiner Initial*	Cite No. ¹	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	16	Conti, PS et al. (1985), "Tumor localization of alpha-aminoisobutyric acid (AIB) in human melanoma heterotransplants"; <i>Eur. J. Nucl. Med.</i> 10:45-47.	
	17	Damhaut, P et al. (1997), "No-Carrier-Added Asymmetric Synthesis of Alpha-Methyl-Alpha-Amino Acids Labelled with Fluorine-18"; <i>Tetrahedron</i> 53(16):5785-5796.	
	18	Di Chiro et al. (1982), "Glucose utilization of cerebral gliomas measured by [¹⁸ F] Fluorodeoxyglucose and Positron Emission Tomography"; <i>Neurology</i> (NY) 32:1323-1329.	
	19	Dunzendorfer, U et al. (1981), "Synthesis and Body Distribution of Alpha-Aminoisobutyric Acid-L- ¹¹ C in Normal and Prostate Cancer-Bearing Rat After Chemotherapy"; <i>Eur. J. Nucl. Med.</i> 6:535-538.	
	20	Dutta, AK et al. (1996), "Structure-Activity Relationship Studies of Novel 4-[2-[Bis(4-fluorophenyl)methoxy]ethyl]-1-(3-phenylpropyl-piperidine Analogs: Synthesis and Biological Evaluation at the Dopamine and Serotonin Transporter Sites"; <i>J. Med. Chem.</i> 39:749-756.	
	21	Feinendegen, LE (1993), "Contributions of Nuclear Medicine to the Therapy of Malignant Tumors (editorial)"; <i>J. Can. Res. Clin. Oncol.</i> 119(6):320-322.	
	22	Fischman, AJ et al. (1997), "SPECT Imaging of Dopamine Transporter Sites in Normal and MPTP-Treated Rhesus Monkeys"; <i>J. Nucl. Med.</i> 38:144-150.	
	23	Giros, B. et al. (1996), "Hyperlocomotion and indifference to cocaine and amphetamine in mice lacking the dopamine transporter"; <i>Nature</i> 379:606-612.	
	24	Goodman, MM et al. (1994), "Synthesis and Characterization of Radioiodinated N-(3-Iodopropen-1-yl)-2β-carbomethoxy-3β-(4-chlorophenyl)tropanes: Potential Dopamine Reuptake Site Imaging Agents"; <i>J. Med. Chem.</i> 37:1535-1542.	
		Goodman, MM et al. <i>Clinical Positron Emission Tomography</i> Mosby Year Book, 1992, K.F. Hubner, et al., Chapter 14 "Automated Synthesis of Radiotracers for PET Applications" pps.110-122.	
	25	Griffeth, LK et al. (1993), "Brain Metastases from Non-Central Nervous System Tumors: Evaluation with PET"; <i>Radiology</i> 186:37-44.	
	26	Hoyte, R et al. (1970), "Fluorine-18 Labeled Amino-Acids for Organic Imaging"; <i>J. Nucl. Med.</i> 11(10):633. (Abstract only)	
	27	Hume, SP et al. (1991), "Citalopram: Labelling with Carbon-11 and Evaluation in Rat as a Potential Radioligand for <i>In Vivo</i> PET Studies of 5-HT Re-uptake Sites"; <i>Nucl. Med. Biol.</i> 18:339-351.	
	28	Ishiwata et al. (1993), "Re-evaluation of Amino Acid PET Studies: Can the Protein Synthesis Rates in Brain and Tumor Tissues be Measured in Vivo?" <i>J. Nucl. Med.</i> 34(11):1936-1943.	
	29	Jager, PL et al. (2001), "Radiolabeled Amino Acids: Basic Aspects and Clinical Applications in Oncology"; <i>Nucl. Med.</i> , 42:432-445.	

Examiner Signature	/Paul Zucker/	Date Considered	07/09/2008
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PZ/

Sheet 4 of 6

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Substitute for form 1449/PTO, based on PTO/SB/08A and 08B	Application Number	10/507,221
		Filing Date	09/08/2004
		First Named Inventor	Goodman et al.
		Art Unit	2873
		Examiner Name	Not assigned
		Attorney Docket Number	51-02

Examiner Initial*	Cite No. ¹	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	30	Kilbourn, MR et al. (1989), "Synthesis of Radiolabeled Inhibitors of Presynaptic Monoamine Uptake Systems: [¹⁸ F]GBR 13119(DA), [¹¹ C]Nisoxetine (NE), and [¹¹ C]Fluoxetine (5-HT)" <i>J. Label. Compd. Radiopharm.</i> 26:412-414. (Symposium Abstract)	
	31	Kollonitsch et al. (1975), "Selective Fluorination of Hydroxy Amines and Hydroxy Amino-Acids with Sulfur Tetrafluoride in Liquid Hydrogen Fluoride"; <i>J. Org. Chem.</i> 40(25):3808-3809.	
	32	Kubota, K et al. (1984), "Tumor detection with carbon-11-labelled amino acids"; <i>Eur. J. Nucl. Med.</i> 9:136-140.	
	33	Kung, M-P. et al. (1995), "IPT: A Novel Iodinated Ligand for the CNS Dopamine Transporter"; <i>Synapse</i> 20:316-324.	
	34	Kuntschke, D et al. (1995), "New [^{99m} Tc]-Cytetrene Amine Compounds as Specific Brain Imaging Agents"; <i>J. Labelled Compounds and Radiopharmaceuticals</i> 36(2): 193-203.	
	35	Langleben, DD et al. (2000), "PET in Differentiation of Recurrent Brain Tumor from Radiation Injury"; <i>J. Nucl. Med.</i> 41:1861-1867.	
	36	Liu, S et al. (1996), "Labeling Cyclic Glycoprotein IIb/IIIa Receptor Antagonists with ^{99m} Tc by the Preformed Chelate Approach: Effects of Chelators on Properties of [^{99m} Tc] Chelator-Peptide Conjugates"; <i>Bioconjugate Chem.</i> 7(2):196-202.	
	37	Malison, RT et al. (1995), "Striatal Dopamine Transporter Imaging in Nonhuman primates with Iodine-123-IPT SPECT"; <i>J. Nucl. Med.</i> 36:2290-2297.	
	38	Maryanoff, BE et al. (1987), "Pyrroloisoquinoline Antidepressants. In-Depth Exploration of Structure-Activity Relationships"; <i>J. Med. Chem.</i> 30:1433-1454.	
	39	Mathis, C et al. (1993), "Synthesis and Biological Evaluation of a PET Radioligand for Serotonin Uptake Sites: [F-18]5-Fluoro-6-Nitroquipazine"; <i>J. Nucl. Med.</i> 34:7P-8P. (Abstract only)	
	40	Matsushima, Y et al. (1984), "Evaluation of Technetium-99m-Labeled Amino Acids as Radiopharmaceuticals. VI. N-Pyridoxylidenehydrazine-N',N'-Diacetic Acid"; <i>Chem. Pharm. Bull.</i> 32(6):2262-2266.	
	41	Meegalla, SK et al. (1997), "Synthesis and Characterization of Technetium-99m-Labeled Tropanes as Dopamine Transporter-Imaging Agents"; <i>J. Med. Chem.</i> 40:9-17.	
	42	Monclus, M et al. (1995), "Asymmetric Synthesis of Fluorinated L-Tyrosine and meta-L-Tyrosines" <i>J. Fluorine Chem.</i> 70(1):39-43.	
	43	Murphy, DL et al. (1986), "Use of Serotonergic Agents in the Clinical Assessment of Central Serotonin Function" <i>J. Clin. Psychiatr.</i> 47:4(supp)9-15.	
	44	Nagren, K et al. (2000), "[N-methyl- ¹¹ C]MeAIB, a Tracer for System A Amino Acid Transport: Preparation from [¹¹ C]Methyl Triflate and HPLC Metabolite Analysis of Plasma Samples After Intravenous Administration in Man"; <i>J. Labelled Cpd Radiopharm.</i> 43:1013-1021.	

Examiner Signature	/Paul Zucker/	Date Considered	07/09/2008
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PZ/

Sheet 5 of 6

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Substitute for form 1449/PTO, based on PTO/SB/08A and 08B	Application Number	10/507,221
		Filing Date	09/08/2004
		First Named Inventor	Goodman et al.
		Art Unit	2873
		Examiner Name	Not assigned
		Attorney Docket Number	51-02

Examiner Initial*	Cite No. ¹	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	45	Niznik, HB et al. (1991), "The Dopamine Transporter is Absent in Parkinsonian Putamen and Reduced in the Caudate Nucleus"; <i>J. Neurochem.</i> 56:192-198.	
	46	Ogawa, T et al. (1993), "Cerebral Glioma: Evaluation with Methionine PET ¹ "; <i>Radiology</i> 186:45-53.	
	47	Palacin, M et al. (1998), "Molecular Biology of Mammalian Plasma Membrane Amino Acid Transporters"; <i>Physiol. Rev.</i> 78:969-1054.	
	48	Posakony, JJ et al. (1999), "Progress in the Synthesis of [18-F]-Fluoroamines; Precursors to β -Selective Andrenergic Ligands"; <i>J. Labelled. Compd. Radiopharm.</i> 42:S527-529.	
	49	Schmall, B et al. (1987), "Imaging Studies of Patients with Malignant Fibrous Histiocytoma using C-11-Alpha-Aminoisobutyric Acid (AIB)"; <i>Clin. Nucl. Med</i> 12(1):22-26.	
	50	Schober, O et al. (1992), "Evaluation of Brain Tumors by Positron Emission Tomography"; <i>Radiologe</i> 32(6):282-289.	
	51	Shiba, K et al. (1984), "Comparative Distribution Study of Carbon-14-Labeled Amino-Acids Glucose Analog and Precursor of Nucleic-Acid as Tumor Seeking Agents," <i>Radioisotopes</i> 33(8):526-532.	
	52	Shotwell, MA et al. (1983), "The Regulation of Neutral Amino Acid Transport in Mammalian Cells"; <i>Biochem. Biophys. Acta.</i> 737:267-284.	
	53	Shoup, TM et al. (1999), "Synthesis and Evaluation of [¹⁸ F]1-Amino-3-fluorocyclobutane-1-carboxylic Acid to Image Brain Tumors"; <i>J. Nucl. Med.</i> 40:331-338.	
	54	Suehiro, M et al. (1991), "Radiosynthesis and Evaluation of N-(3-[¹⁸ F]Fluoropropyl) paroxetine as a Radiotracer for <i>In Vivo</i> Labeling of Serotonin Uptake Sites by PET"; <i>Nucl. Med. Biol.</i> 18:791-796.	
	55	Suehiro, M et al. (1992), "Synthesis of a Radiotracer for Studying Serotonin Uptake Sites with Positron Emission Tomography: [¹¹ C]McN-5652-Z"; <i>J. Label Compd. Radiopharm.</i> 31:841-848.	
	65	Suehiro, M et al. (1993), "A PET Radiotracer for Studying Serotonin Uptake Sites: Carbon-11-McN-5652Z"; <i>J. Nucl. Med.</i> 34:120-127.	
	57	Tamemasa, O et al. (1984), "Tumor Detection with some 99m-Tc-Labeled S-Containing Amino Acids"; <i>Gann.</i> 75(5):395-402.	
	58	Taylor, JS et al. (1983), "Fluorinated α -methylamino Acids as ¹⁹ F NMR Indicators of Intracellular pH"; <i>Biophys. J.</i> 43(3):261-267.	
	59	Thierry, J et al. (1998), "2-Phenyl Isopropyl and t-Butyl Trichloroacetimidates: Useful Reagents for Ester Preparation of N-Protected Amino acids under Neutral Conditions"; <i>Tetrahedron Lett.</i> 39:1557-1560.	
	60	Verbruggen, AM et al. (1992), "Technetium-99m-L,L-Ethylenedicysteine: A Renal Imaging Agent. I. Labeling and Evaluation in Animals"; <i>J. Nucl. Med.</i> 33(4):551-557.	

Examiner Signature	/Paul Zucker/	Date Considered	07/09/2008
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PZ/

Sheet 6 of 6

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Substitute for form 1449/PTO, based on PTO/SB/08A and 08B	Application Number	10/507,221
		Filing Date	09/08/2004
		First Named Inventor	Goodman et al.
		Art Unit	2873
		Examiner Name	Not assigned
		Attorney Docket Number	51-02

Examiner Initial*	Cite No. ¹	REFERENCE	
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	61	Washburn, LC et al. (1979), "High-Level Production of C-11-Carboxyl-labeled Amino Acids"; in <u>Radiopharmaceuticals II: Proceedings 2nd International Symposium on Radiopharmaceuticals</u> , March 19-22, 1979, Seattle, Washington	
	62	Washburn, LC et al. (1979), "1-Aminocyclobutane[¹¹ C]Carboxylic Acid, A Potential Tumor-Seeking Agent"; <i>J. Nucl. Med.</i> 20:1055-1061.	
	63	Weiland, DM et al. (1988), "NMDA Receptor Channels: Labeling of MK-801 with Iodine-125 and Fluorine-18"; <i>Appl. Radiat. Isotop.</i> 39:1219-1225.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PZ/

Examiner Signature	/Paul Zucker/	Date Considered	07/09/2008
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.